

SAMPLE NETWORK TOPOLOGY

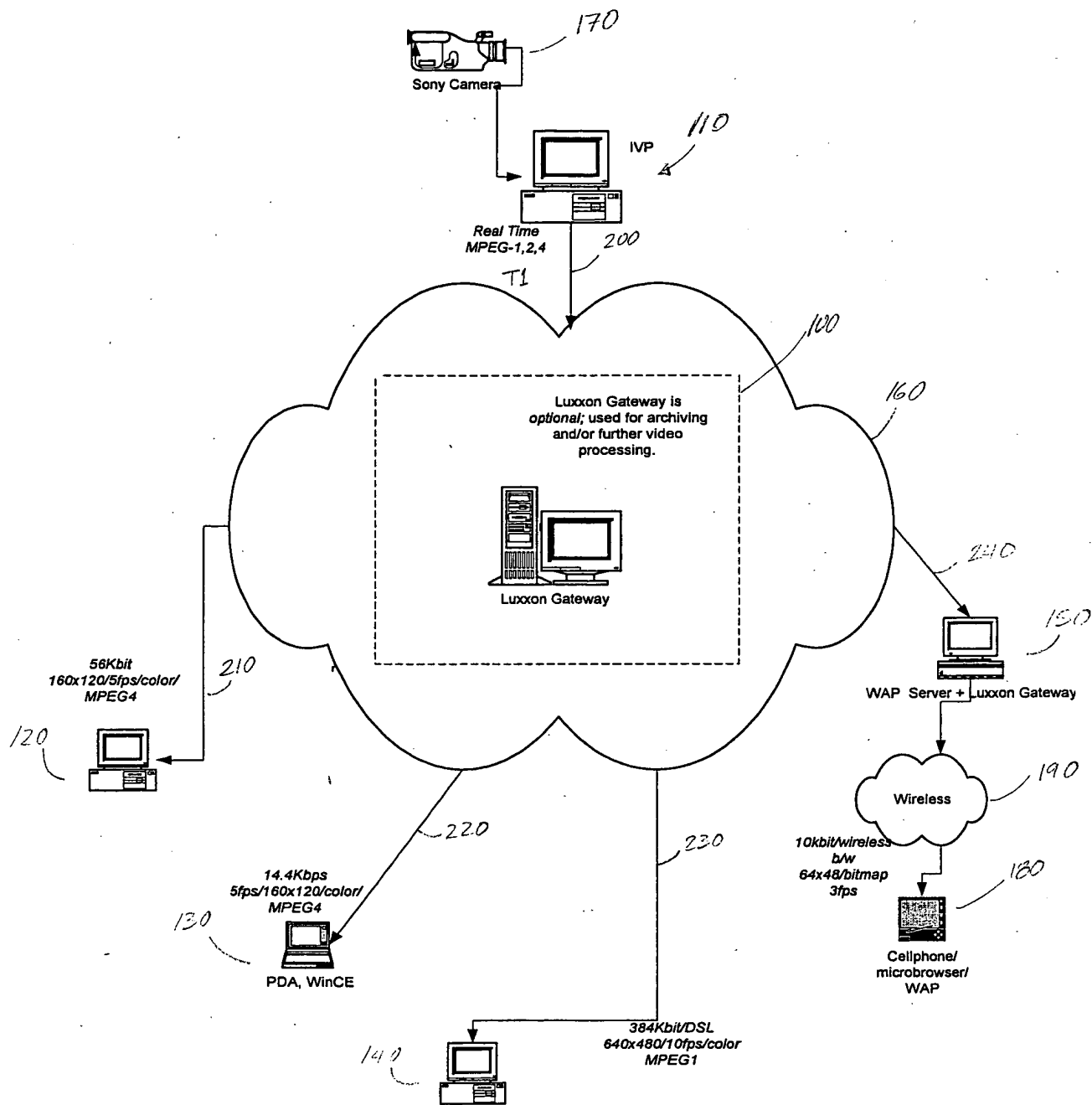


FIG. 1

000720-0620360

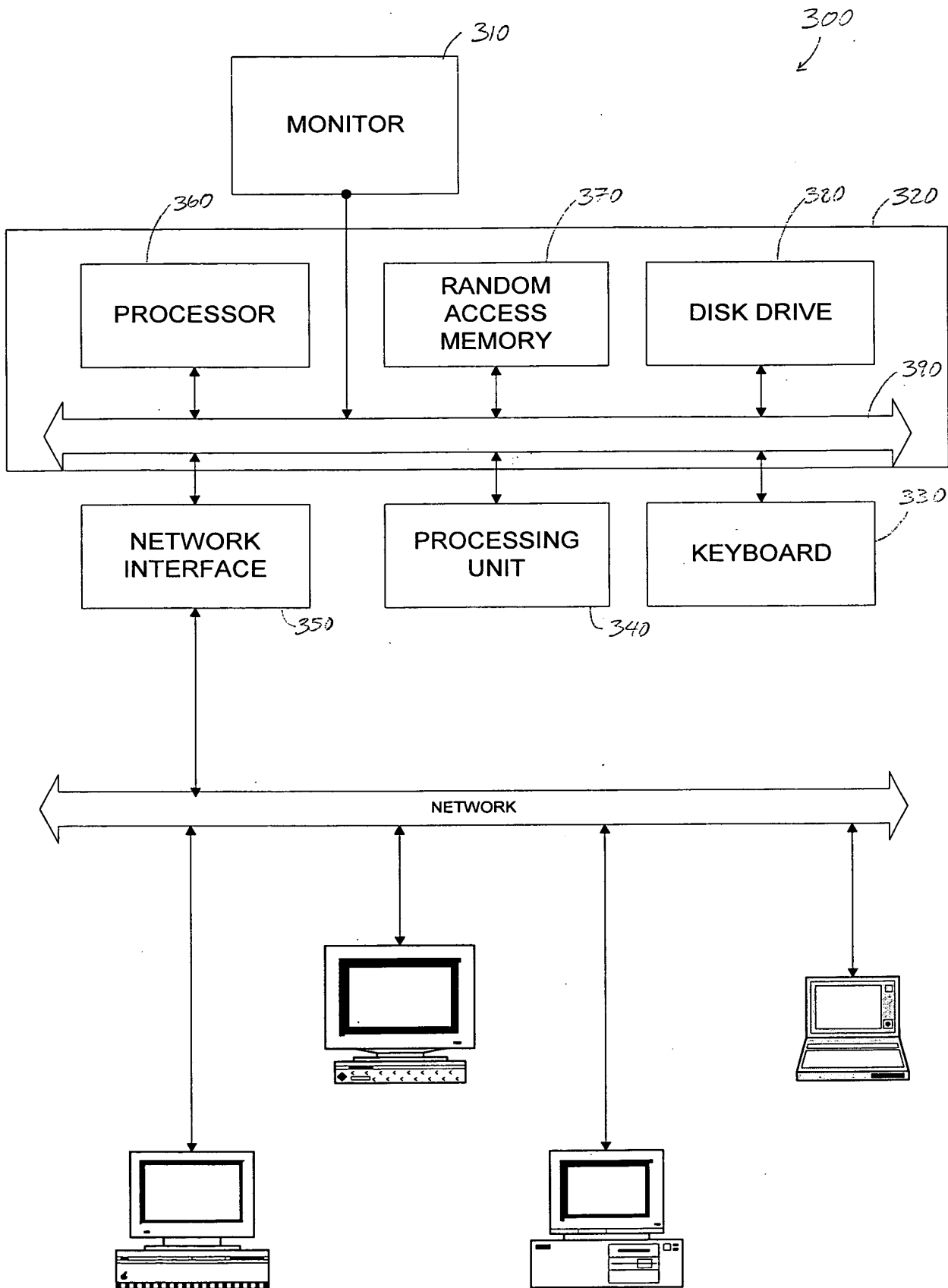


FIG. 2

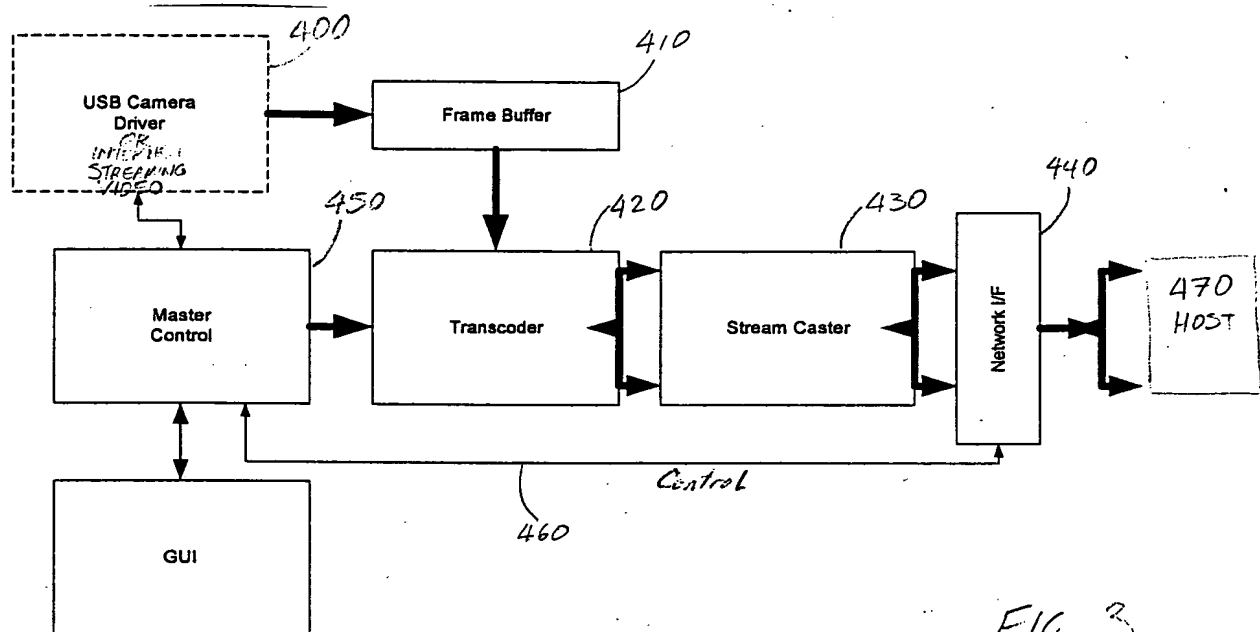
[illegible]

FIG. 3

000720" 00E20500

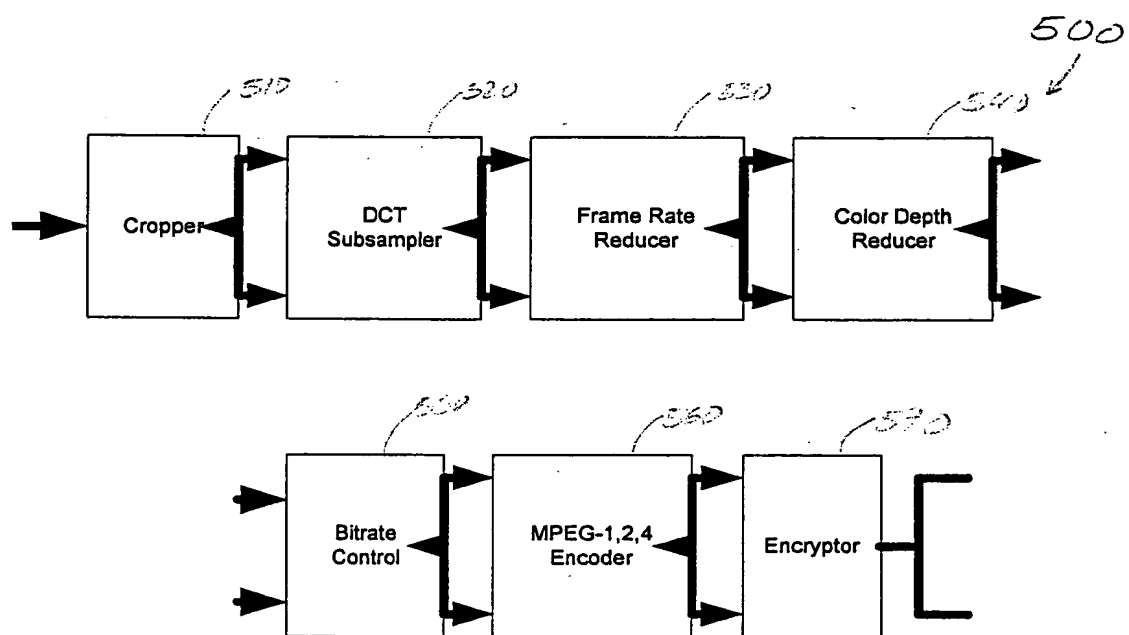


FIG. 4

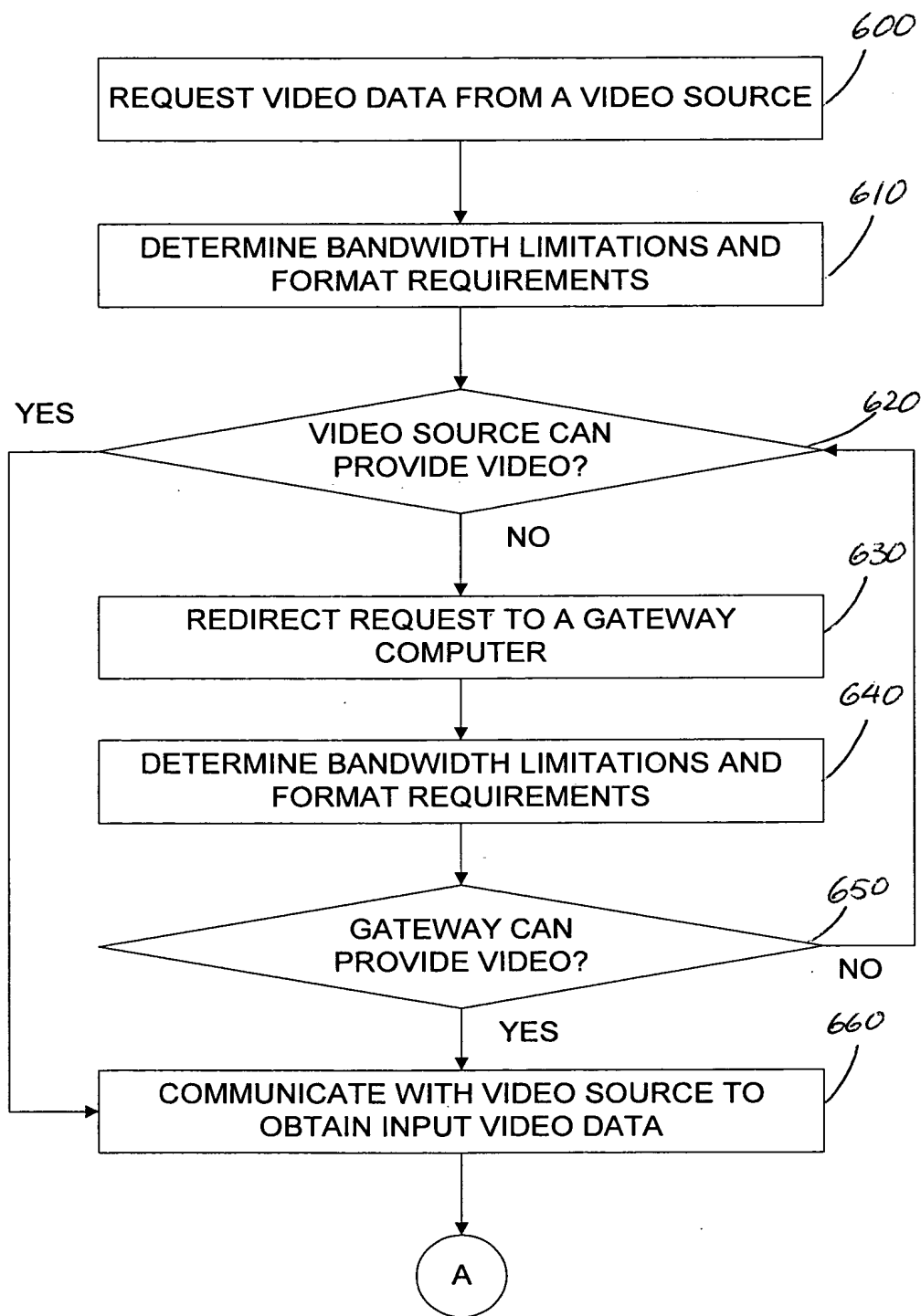
[illegible]

FIG. 5A

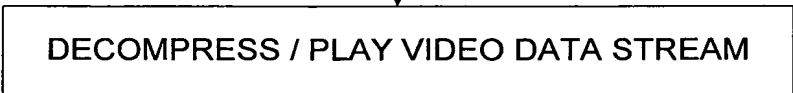
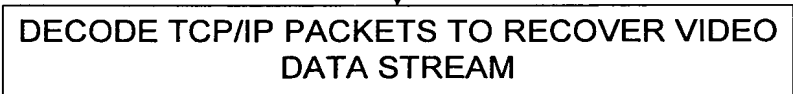
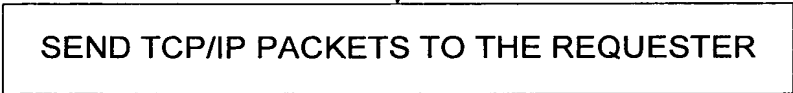
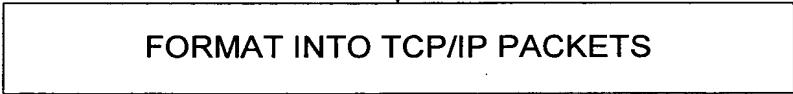
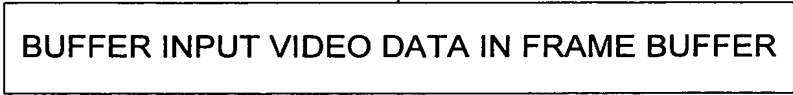



FIG. 5B

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graph TD
    A[INPUT VIDEO DATA STORED IN FRAME BUFFER] --> B[CROP INPUT VIDEO DATA]
    B --> C{INPUT COLOR DEPTH COMPARED TO OUTPUT COLOR DEPTH}
    C -- "IN > OUT" --> D[DOWNSCALE COLOR DEPTH OF INPUT VIDEO DATA]
    C -- "OUT > IN" --> E[UPSCALE COLOR DEPTH OF INPUT VIDEO DATA]
    D --> F{INPUT RESOLUTION COMPARED TO OUTPUT RESOLUTION}
    E --> F
    F -- "IN > OUT" --> G[DOWNSCALE RESOLUTION OF INPUT VIDEO DATA]
    F -- "OUT > IN" --> H[UPSCALE RESOLUTION OF INPUT VIDEO DATA]
    G --> I{INPUT FRAME RATE COMPARED TO OUTPUT FRAME RATE}
    H --> I
    I -- "IN > OUT" --> J[REDUCE FRAME RATE OF INPUT VIDEO DATA]
    I -- "OUT > IN" --> K[INCREASE FRAME RATE OF INPUT VIDEO DATA]
    J --> L((B))
    K --> L

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FIG. 6A

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graph TD
    B((B)) --> 900{INPUT BIT RATE  
COMPARED TO  
OUTPUT BIT RATE}
    900 -- "IN > OUT" --> 910[DECREASE BIT RATE OF INPUT  
VIDEO DATA]
    900 -- "OUT > IN" --> 920[DECREASE BIT RATE OF INPUT  
VIDEO DATA]
    910 --> 930{ENCODING FORMAT?}
    920 --> 930
    930 -- "MPEG-1" --> 940[ENCODE INPUT DATA STREAM  
INTO *.MPG FORMAT]
    930 -- "QUICKTIME" --> 950[ENCODE INPUT DATA STREAM  
INTO *.MOV FORMAT]
    930 -- "WINDOWS" --> 960[ENCODE INPUT DATA STREAM  
INTO *.AVI FORMAT]
    940 --> 970[ENCRYPT DATA STREAM]
    950 --> 970
    960 --> 970
    970 --> 980(( ))

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FIG. 6B